

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L9/32 H04L29/06 H04L9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	GB 2 367 986 A (ERICSSON TELEFON AB L M) 17 April 2002 (2002-04-17) page 2, line 1 - line 15 page 3, line 14 - line 24 page 4, line 17 - line 26 page 5, line 21 - page 6, line 10 page 8, line 31 - page 9, line 8 page 13, line 9 - page 14, line 1 page 29, line 10 - line 28	1-6, 13, 14
A	page 23, line 11 - page 28, line 31 ---	7-12
Y	US 6 049 878 A (WALDVOGEL MARCEL ET AL) 11 April 2000 (2000-04-11) column 2, line 50 - column 3, line 30 column 4, line 23 - column 7, line 39 column 8, line 33 - line 55 column 10, line 12 - line 35 claim 17 --- -/--	1-6, 13, 14



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

15 July 2003

Date of mailing of the international search report

29. 07. 03

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 02/10400

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 275 859 B1 (KADANSKY MIRIAM C ET AL) 14 August 2001 (2001-08-14) column 3, line 50 -column 4, line 65	1-6,13, 14
A	column 1, line 16 -column 3, line 32 -----	7-12
A	EP 0 952 718 A (SUN MICROSYSTEMS INC) 27 October 1999 (1999-10-27) page 5, line 1 -page 13, line 1 -----	1-6,13, 14
A	WO 02 071723 A (AHONEN PASI ;ARKKO JARI (FI); TURTIAINEN ESA (FI); ERICSSON TELEFO) 12 September 2002 (2002-09-12) page 3, line 22 -page 9, line 13 -----	7-12
A	US 6 397 329 B1 (AIELLO WILLIAM ET AL) 28 May 2002 (2002-05-28) column 1, line 14 -column 7, line 63 -----	7-12

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Publication No

PCT/EP 02/10400

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2367986	A	17-04-2002	WO 02076060 A2 US 2002133607 A1	26-09-2002 19-09-2002
US 6049878	A	11-04-2000	NONE	
US 6275859	B1	14-08-2001	AU 6772700 A GB 2371132 A WO 0131470 A1	08-05-2001 17-07-2002 03-05-2001
EP 0952718	A	27-10-1999	US 6195751 B1 DE 69902414 D1 DE 69902414 T2 EP 0952718 A2 JP 2000031955 A WO 9956430 A1	27-02-2001 12-09-2002 24-04-2003 27-10-1999 28-01-2000 04-11-1999
WO 02071723	A	12-09-2002	GB 2366141 A WO 02071723 A1	27-02-2002 12-09-2002
US 6397329	B1	28-05-2002	NONE	

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/EP 02/10400

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-6, 13, 14

The subject-matter of the first invention relates to a method of authenticating candidate members wishing to participate in an IP multicast via a communication network, by verifying a public key of each member and inspecting an interface identifier of the IP address of the member.

2. Claims: 7-12

The subject-matter of the second invention relates to a method of authorising a user to participate in a secure IP multicast or broadcast, by verifying an certificate of each user and sending a key encryption key to each valid user.